Approved for use through 07/31/2003. OMB 0651-0032.

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	Attorney Docket No. R2184.0253/P253								
UTILITY	First Ir	ventor	Masaf	<u>umi K</u>	Kimura				
PATENT APPLICATION TRANSMITTAL	Title						RIVE UNIT, AND NG APPARATUS	;	
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Evamo	ss Mail Labe							
\	LXPIG	os Iviali Lauc	71 IVO.	<u> </u>		==			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
Fee Transmittal Form (e.g., PTO/SB/17)			20 8014				, large table or		
(Submit an original, and a duplicate for fee processing) Applicant claims small entity status.		8. Nucle	Computer otide and	Prograi I/or Ami	m <i>(Appe</i> no Acid :	ndix)			
See 37 CFR 1.27.	٦,		olicable, a		•	//	ים ביי		
3. X Specification [Total Pages 84] (preferred arrangement set forth below)	'	a. [J .		lable Fo	-	•		
Descriptive title of the invention Cross Reference to Related Applications		b. Spe	ecification					D	
 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 	i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies								
or a computer program listing appendix - Background of the Invention	ACCOMPANYING APPLICATIONS PARTS								
Brief Summary of the Invention Brief Description of the Drawings (if filed)		9.	Assignme	nt Pape	rs (cove	r she	et & document(s))		
- Detailed Description - Claim(s) - Abstract of the Disclosure			37 CFR 3 when the				Power of Attorney		
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 18	3 1	11. E	nglish T	ranslatio	n Docur	nent	(if applicable)		
5. Oath or Declaration [Total Sheets			nformatic Statemen			19	Copies of IDS Citations		
a. Newly executed (original or copy)		13. F	Prelimina	y Amen	dment				
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14. X Return Receipt Postcard (MPEP 503)								
i DELETION OF INVENTOR(S)	(Should be specifically itemized) 15. Certified Copy of Priority Document(s)								
Signed statement attached deleting inventor(s) named in the prior application,	16. (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).								
see 37 CFR 1.63(d)(2) and 1.33(b).			Applicant	must at	tach forn	n PT	O/SB/35 or its equivaler		
		17. X	Other:	Jaim to	or Prior	ity			
6. Application Data Sheet. See 37 CFR 1.76									
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:									
Continuation Divisional Continuation-in	n-part (0	CIP) of prio	r applica	ion No.:					
Prior application information: Examiner			-	Art Unit:				 .	
For CONTINUATION or DIVISIONAL APPS only. The entire dis Box 5b, is considered a part of the disclosure of the accompanying	ng conti	nuation or di	visional a	pplicati	on and is	s her	eby incorporated by refe		
The incorporation can only be relied upon when a portion has be		NDENCE A			mitted a	pplic	ation parts.		
			DUKE			-			
X Customer Number:		24998			L	x (Correspondence addres	s below	
Name DICKSTEIN SHAPIRO MORIN 8 Mark J. Thronson	& OS	HINSKY	LP						
Address 2101 L Street NW									
City Washington State	,	DC			Zip Coo	de 7	20037-1526		
	ohone	(202) 78	5-9700)	1	Fax	(202) 887-0689		
Name (Print/Type) Mark J. Thronson		Registr	ration No	(Attorn	ey/Agen	t)	33,082		
Signature 1000		Ci			Date	Α	ugust 21, 2003		

PTO/SB/17 (05-03)

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CCC TO ANOMITTAL	1	Complete if Known								
FEE TRANSMITTAL	Application Number					Not Yet Assigned				
for FY 2003	Filing Date				Co	Concurrently Herewith				
Effective 01/01/2003, Patent fees are subject to annual revision.	- 1	First Named Inventor				Masafumi Kimura				
Ellective Ununzoos, Patent lees are subject to allitual revision.	Examiner Name			No	Not Yet Assigned					
Applicant claims small entity status. See 37 CFR 1.27	} 				N/	N/A				
TOTAL AMOUNT OF PAYMENT (\$) 1,200.00). R2	R2184.0253/P253				
METHOD OF PAYMENT (check all that apply)	FFE CALCU					ATION (continued)				
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Check X Card Order Other None	V ABSTRONE LEE									
X Deposit Account										
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Number	Code	(\$)	Code	(\$)	,	ription	Fee Paid			
Deposit Account Dickstein Shapiro Morin &	1051	130	2051	65	Surcharge - la	ate filing fe	e or oath			
Name Oshinsky LLP The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	Surcharge - la sheet.	ite provisio	onal filing fee or cover			
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	120		aaai641:				
Charge any additional foo(s) during the condensy of this	ļ		[130	Non-English sp	-				
application	1812	2,520	1812	2,520			arte reexamination			
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting put Examiner action	วก				
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting pur Examiner action	iblication o	f SIR after			
FEE CALCULATION	1251	110	2251	55	Extension for re	eply withir	first month			
1. BASIC FILING FEE	1252	410	2252	205	Extension for n	eply within	second month			
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1253	930	2253	465	Extension for re	eply within	third month			
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for r	reply within	fourth month			
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension for n	eply within	i fifth month			
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appe					
1003 520 2003 260 Plant filing fee	1402	320	2402		Filing a brief in	• • •	f an appeal			
1004 750 2004 375 Reissue filing fee 1005 160 2005 80 Provisional filing fee	1403 1451	280 1,510	2403 1451		Request for ora	-	lio uso progonding			
	1452	110	2452	55	Petition to revi		lic use proceeding			
SUBTOTAL (1) (\$) 750.00	1453	1,300	2453	650		Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fee	e (or reissu	re)			
Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design issue fe	ee				
Total Claims 31 -20** = 11 x 18.00 = 198.00	1503	630	2503	315	Plant issue fee)				
Independent 6 -3** = 3 x 84.00 = 252.00	1460	130	1460	130	Petitions to the	e Commiss	ioner			
Multiple Dependent =	1807	50	1807	50	Processing fee	under 37	CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806	180			n Disclosure Stmt			
Fee Fee Fee Fee Fee Description	8021	40	8021	40	Recording each					
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1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	(37 CFR 1.129	9(a))				
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additi examined (370			}		
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Co	ontinued E	xamination (RCE)			
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for ex of a design app		amination	}		
and over original patent	Other	fee (spe	cify)			,	ì			
SUBTOTAL (2) (\$) 450.00	*Redu	ced by I	Basic Fil	ing Fee	Paid	SUBTO	TAL (3) (\$)	0.00		
**or number previously paid, if greater; For Reissues, see above										
SUBMITTED BY Complete (if applicable)										
Name (Print/Type) Mark J. Thronson	Registration No. (Attorney/Agent) 33,082					elephone	(202) 775-4742			
Signature MMD	Ce					Pate	August 21, 2003	3		